

ABSTRACT OF THE DISCLOSURE

An inlet, a valve chest having a diameter larger than that of the inlet, and an outlet are formed in a valve casing.
5 An annular valve seat is formed between the inlet and the valve chest. A valve element for opening and closing the annular valve seat is disposed within the valve chest. A valve stem is projectingly provided on the inlet side of the valve element. A guide member with which an outer periphery of the
10 valve stem comes into sliding contact is provided at inner ends of ribs which project into the valve chest from an inner wall of the inlet. A recess is formed in the valve element to receive therein the ribs projecting to the valve element and also to receive the guide member.